



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/909,238E

Source:

DIPE/

Date Processed by STIC:

5/20/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

(Please see page 4 for additional errors)

5/20/04

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/909,238E

DATE: 05/20/2004  
TIME: 16:24:26

Input Set : A:\PTO.FG.TXT  
Output Set: N:\CRF4\05202004\I909238E.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

## VARIABLE LOCATION SUMMARY

DATE: 05/20/2004

PATENT APPLICATION: US/09/909,238E

TIME: 16:24:26

Input Set : A:\PTO.FG.TXT

Output Set: N:\CRF4\05202004\I909238E.raw

Use of n's or Xaa's (NEW RULES):Use of n's and/or Xaa's have been detected in the Sequence Listing.Use of <220> to <223> is MANDATORY if n's or Xaa's are present.in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Error explanation: ↗

Seq#:2; N Pos. 1,2 ✓

Seq#:7; N Pos. 12,13

Seq#:10; N Pos. 14,15,16 ✓

Seq#:11; N Pos. 14,15,16

Seq#:12; N Pos. 12,13,14,15,16 ✓

Seq#:14; N Pos. 1,2,3

Seq#:15; N Pos. 1,2,3

Seq#:16; N Pos. 1,2,3,4,5

(Sample error sequence listing) • Page 4  
↓

<210> 20  
<211> 3888  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: pHL1920

<400> 20

what is the  
source?

## VERIFICATION SUMMARY

DATE: 05/20/2004

PATENT APPLICATION: US/09/909,238E

TIME: 16:24:26

Input Set : A:\PTO.FG.TXT

Output Set: N:\CRF4\05202004\I909238E.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:32 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2 ✓  
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0 ✓  
L:124 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10 ✓  
L:137 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:11 ✓  
L:137 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:11 ✓  
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:146 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12  
L:171 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:14  
L:171 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:14  
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:183 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:15  
L:183 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:15  
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:195 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:16  
L:195 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:16  
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0